

**COMMUNICATION CONTROLLER AND METHOD OF TRANSFORMING  
INFORMATION**

**ABSTRACT OF THE DISCLOSURE**

A communication controller (20) for communication on at  
5 least one communication bus (12, 14), each communication bus  
transferring a data stream according to a communication  
protocol, the communication controller comprising a  
communication handler (17) coupled to the at least one  
communication bus adapted to be programmable to perform  
10 transformations of the data stream. The communication  
controller is programmable on bit-level and allows updates /  
changes of the communication protocol in existing systems  
without changing the hardware. It further allows to use one  
communication controller type for several buses /  
15 communication protocols. (Fig. 1B)

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